

FIG. 1

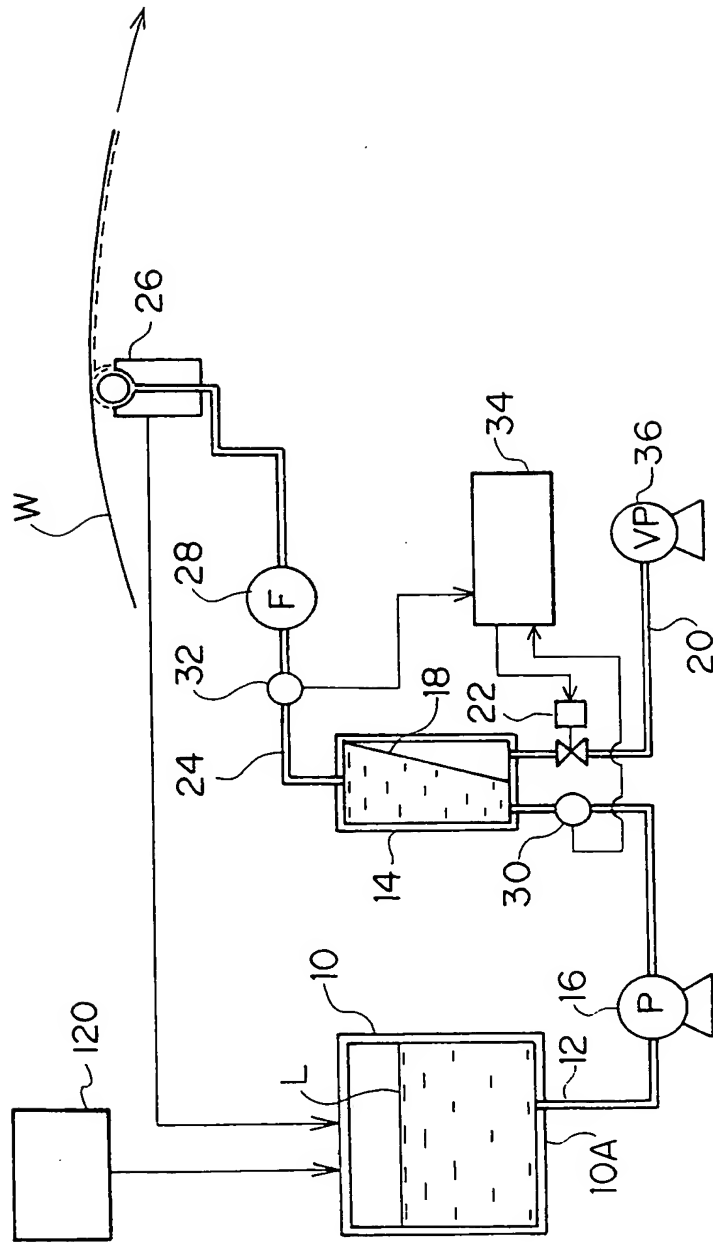
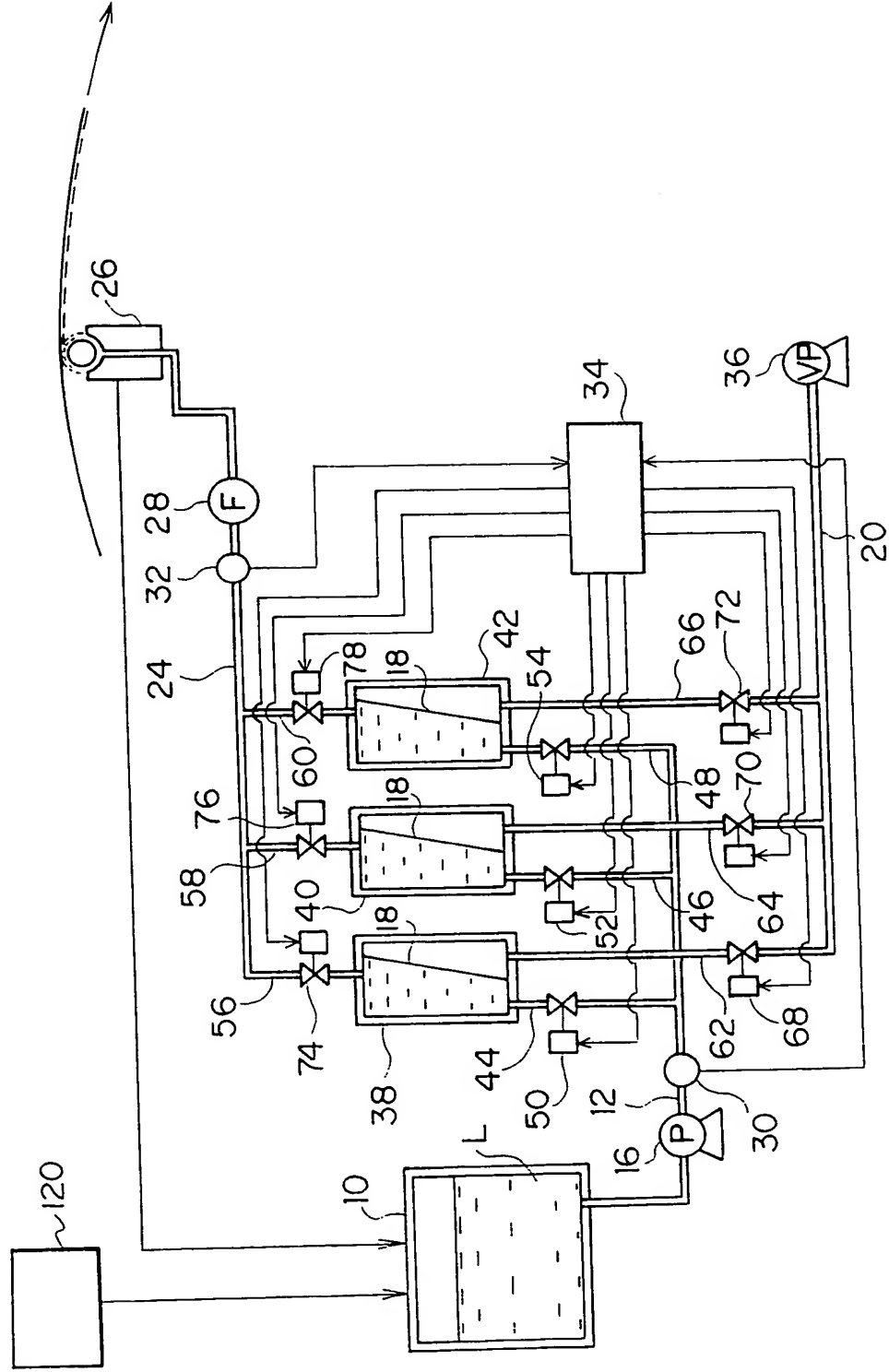


FIG. 2

DEGASSING METHOD	FLUCTUATION IN THE REDUCTION RATE OF THE DISSOLVED OXYGEN AMOUNT (1 HOUR)
CONVENTIONAL METHOD A SINGLE FILM DEGASSING DEVICE WITHOUT FEEDBACK MECHANISM	75%~90% DEGREE OF VACUUM : $40 \times 10^2 \text{ Pa}$ (CONSTANT)
FIRST EXAMPLE WITH FEEDBACK MECHANISM	80%~85% DEGREE OF VACUUM : $67 \times 10^2 \text{ Pa} \sim 106 \times 10^2 \text{ Pa}$

FIG. 3



F I G . 4

DEGASSING METHOD	REDUCTION RATE OF DISSOLVED OXYGEN AMOUNT	LIFE
CONVENTIONAL METHOD CONTINUOUS OPERATION OF THREE FILM DEGASSING DEVICES	75%~85% DEGREE OF VACUUM : $40 \times 10^2 \text{Pa}$ (CONSTANT)	2 YEARS/SET 12 YEARS \Rightarrow 18 SETS
SECOND EXAMPLE ALTERNATING OPERATION OF ONE TO THREE FILM DEGASSING DEVICES	80%~85% DEGREE OF VACUUM : $67 \times 10^2 \text{Pa} \sim 106 \times 10^2 \text{Pa}$	(1) 2 YEARS/1 SET (2) 3 YEARS/1 SET (3) 4 YEARS/1 SET 12 YEARS \Rightarrow 13 SETS IN COMPARISON WITH THE CONVENTIONAL METHOD, 5 SETS ARE REDUCED OVER 12 YEARS.

FIG. 5

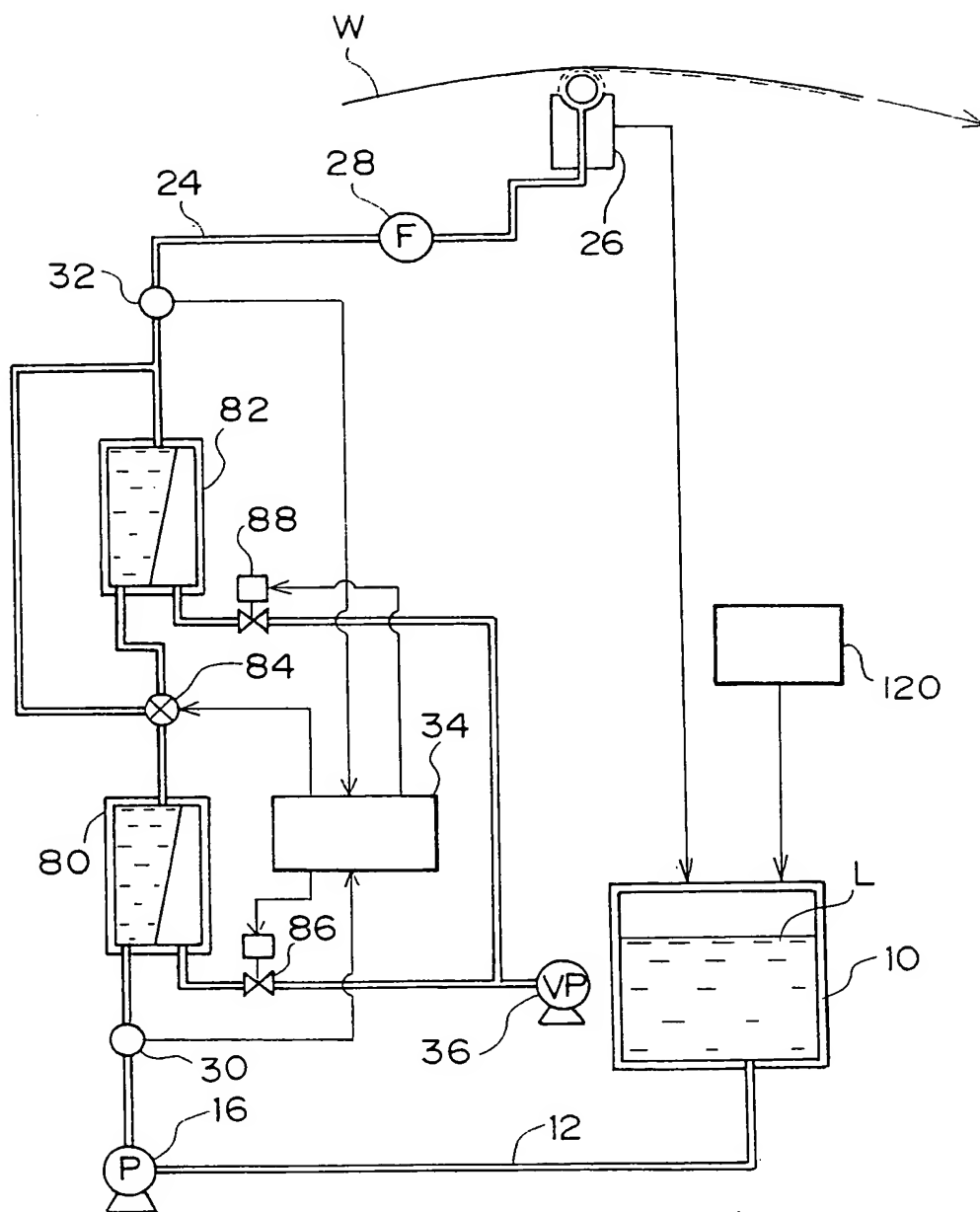


FIG. 6

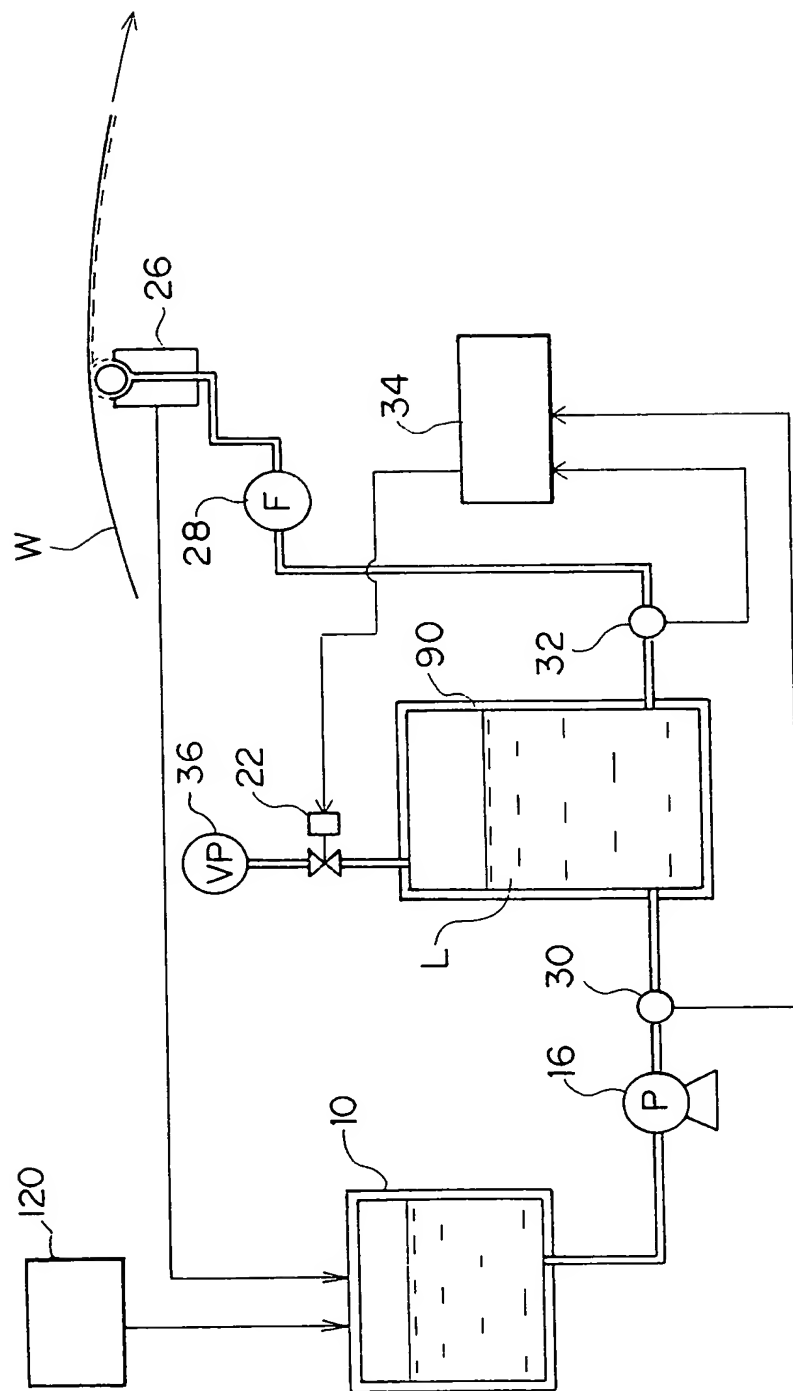


FIG. 7

